

Please type a plus sign (+) inside this box ☒

PTO/SB/05 (03-01)

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

|                        |                                       |
|------------------------|---------------------------------------|
| Attorney Docket No.    | MBC-0416                              |
| First Inventor         | Pretorius, et al.                     |
| Title                  | Polymeric Structural Support Membrane |
| Express Mail Label No. | EL722632122US                         |

Only for new nonprovisional applications under 37 CFR 1.53(b))

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages  ]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4. ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets  ]
5. ☐ Oath or Declaration [Total Sheets  ]
  - a. ☒ Unexecuted (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
  - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other: .....

18 If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)  
Prior application information: Examiner:

 of prior application No. \_\_\_\_\_  
Group Art Unit \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**
☒ Customer Number or Bar Code Label  or ☐ Correspondence address below  
(Insert Customer No. or Attach bar code label here)

|         |   |           |              |          |              |
|---------|---|-----------|--------------|----------|--------------|
| Name    | Renner, Kenner, Greive, Bobak, Taylor & Weber |           |              |          |              |
| Address | 24500 Center Ridge Road                       |           |              |          |              |
|         | Suite 280                                     |           |              |          |              |
| City    | Westlake                                      | State     | OH           | Zip Code | 44145        |
| Country | USA   | Telephone | 440/808-0011 | Fax      | 440/808-0657 |

|                   |                           |                                   |          |
|-------------------|---------------------------|-----------------------------------|----------|
| Name (Print/type) | Joseph G. Curatolo, Esq   | Registration No. (Attorney/Agent) | 28,837   |
| Signature         | <i>Joseph G. Curatolo</i> | Date                              | 2-5-2002 |

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# FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision

☐ Applicant Claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$1,938.00)

## Complete if Known

|                      |                   |
|----------------------|-------------------|
| Application Number   | New Application   |
| Filing Date          | 2/5/2002          |
| First Named Inventor | Pretorius, et al. |
| Examiner Name        | N/A               |
| Group Art Unit       | N/A               |
| Attorney Docket No.  | MBC-0416          |

## METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None☒ Deposit AccountDeposit Account Number  
18-0987Deposit Account Name  
Renner, Kenner, Greive, Bobak, Taylor & Weber

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments☒ Charge any additional fee(s) during the pendency of this application☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

| Large Entity | Small Entity | Fee Description | Fee Paid |
|--------------|--------------|-----------------|----------|
| Fee Code     | Fee (\$)     | Fee Code        | Fee (\$) |
| 101          | 740          | 201             | 370      |
| 106          | 330          | 206             | 165      |
| 107          | 510          | 207             | 255      |
| 108          | 740          | 208             | 370      |
| 114          | 160          | 214             | 80       |
|              |              |                 |          |
|              |              |                 |          |
|              |              |                 |          |
|              |              |                 |          |
|              |              |                 |          |

SUBTOTAL (1) (\$740.00)

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | Extra Claims | Fee from below | Fee Paid |
|--------------|--------------|----------------|----------|
| 71           | -20**=       | 51             | X        |
| 3            | -3**=        | 0              | X        |
|              |              | 280.00         | =        |
|              |              |                | 280.00   |

| Large Entity | Small Entity | Fee Description | Fee Paid |
|--------------|--------------|-----------------|----------|
| Fee Code     | Fee (\$)     | Fee Code        | Fee (\$) |
| 103          | 18           | 203             | 9        |
| 102          | 84           | 202             | 42       |
| 104          | 280          | 204             | 140      |
| 109          | 84           | 209             | 42       |
| 110          | 18           | 210             | 9        |
|              |              |                 |          |
|              |              |                 |          |
|              |              |                 |          |
|              |              |                 |          |
|              |              |                 |          |

SUBTOTAL (2) (\$1,198.00)

\*\* or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Description | Fee Paid |
|--------------|--------------|-----------------|----------|
| Fee          | Fee          | Fee             | Fee      |
| 105          | 130          | 205             | 65       |
| 127          | 50           | 227             | 25       |
| 139          | 130          | 139             | 130      |
| 147          | 2,520        | 147             | 2,520    |
| 112          | 920*         | 112             | 920*     |
| 113          | 1,840*       | 113             | 1,840*   |
| 115          | 110          | 215             | 55       |
| 116          | 400          | 216             | 200      |
| 117          | 920          | 217             | 460      |
| 118          | 1,440        | 218             | 720      |
| 128          | 1,960        | 228             | 980      |
| 119          | 320          | 219             | 160      |
| 120          | 320          | 220             | 160      |
| 121          | 280          | 221             | 140      |
| 138          | 1,510        | 138             | 1,510    |
| 140          | 110          | 240             | 55       |
| 141          | 1,280        | 241             | 640      |
| 142          | 1,280        | 242             | 640      |
| 143          | 460          | 243             | 230      |
| 144          | 620          | 244             | 310      |
| 122          | 130          | 122             | 130      |
| 123          | 50           | 123             | 50       |
| 126          | 180          | 126             | 180      |
| 581          | 40           | 581             | 40       |
| 146          | 740          | 246             | 370      |
| 149          | 740          | 249             | 370      |
| 179          | 740          | 279             | 370      |
| 169          | 900          | 169             | 900      |

Other fee (specify)

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$)

## SUBMITTED BY

Complete (if applicable)

|                   |                           |                                   |                 |           |              |
|-------------------|---------------------------|-----------------------------------|-----------------|-----------|--------------|
| Name (Print/Type) | Joseph G. Curatolo        | Registration No. (Attorney/Agent) | Reg. No. 28,837 | Telephone | 440/808-0011 |
| Signature         | <i>Joseph G. Curatolo</i> |                                   |                 | Date      | 2-5-2002     |

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JOHN J. CUNNIFF  
MARK L. WEBER

SYLVIA PETROSKY, of counsel

Technical Specialists  
TAMA L. DRENSKI  
HEIDI R. CARROLL  
CHRISTOPHER J. KORFF

February 5, 2002  
Via U.S. Express Mail

\*ADMITTED TO PENNSYLVANIA BAR

BOX PATENT APPLICATION  
COMMISSIONER FOR PATENTS  
WASHINGTON, DC 20231

Sir:

Transmitted herewith for filing under 35 USC 111 and 37 CFR 1.53 (b) is the following patent application. This application is a non-provisional application claiming priority under 35 USC §119(e) of provisional application no. 60/267,201 filed February 8, 2001.

Express Mail No. EL722632122US Docket No. MBC-0416  
Inventor(s): Hendrik Johannes G. Pretorius, Lynn E. Brower, Frank V. Apicella  
For: Polymeric Structural Support Membrane  
Assignee: MBT Holding AG

Enclosed is:

Transmittal letter with Authorization to Charge Deposit Account (in duplicate)

Utility Patent Application Transmittal Sheet

Fee Transmittal Sheet (in duplicate)

Multiple Dependent Claim Fee Calculation Sheet

Check in the Amount of \$1,938.00

Application Data Sheet

Declaration and Power of Attorney (unexecuted) 3 pages

Disclosure

18 pages Specification

9 pages Claims

1 page Abstract

Return receipt postcard

## Certificate of Express Mailing

I hereby certify that this correspondence is being deposited on the date shown below with the United States Postal Service as Express Mail - Label No. EL722632122US - "Express Mail Post Office to Addressee" in an envelope with sufficient postage addressed to: Box Patent Application, Commissioner for Patents, Washington, D.C. 20231.

LISA M. SHYSKA  
(type or print name of person signing paper)

(signature of person mailing paper)

Feb. 5, 2002  
(date)

Offices in

AKRON

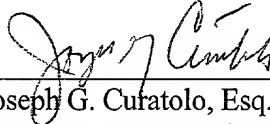
CLEVELAND/WESTLAKE

WOOSTER

**Authorization to Charge Deposit Account**

In the event a fee is applicable to the filing of these documents and the required fee is not enclosed, or the fee submitted is insufficient, the Commissioner is hereby authorized to charge any fees which might be required to effect the filing of these documents for Attorney Docket No. MBC-0416 to Account No. 18-0987. A copy of this page is enclosed.

Respectfully submitted,



Joseph G. Curatolo, Esq., (Reg. No 28,837)  
Renner, Kenner, Greive, Bobak, Taylor & Weber  
24500 Center Ridge Road, Suite 280  
Westlake, Ohio 44145  
Telephone: (440) 808-0011

Attorney for Applicants

Date: Feb. 5, 2002

**MULTIPLE DEPENDENT CLAIM  
FEE CALCULATION SHEET**

(For use with Form PTO/SB/06)

Application Number

New Application

Filing Date

Feb. 5, 2002

Applicant(s) Hendrik Johannes G. Pretorius, et al.

\* May be used for additional claims or amendments

| CLAIMS       | AS FILED |        | AFTER FIRST AMENDMENT |        | AFTER SECOND AMENDMENT |        | *            |        | *     |        | *     |        |
|--------------|----------|--------|-----------------------|--------|------------------------|--------|--------------|--------|-------|--------|-------|--------|
|              | Indep    | Depend | Indep                 | Depend | Indep                  | Depend | Indep        | Depend | Indep | Depend | Indep | Depend |
| 1            | 1        |        |                       |        |                        |        | 51           |        |       |        |       |        |
| 2            |          | 1      |                       |        |                        |        | 52           |        |       |        |       |        |
| 3            |          | 2      |                       |        |                        |        | 53           |        |       |        |       |        |
| 4            |          | 1      |                       |        |                        |        | 54           |        |       |        |       |        |
| 5            |          | 2      |                       |        |                        |        | 55           |        |       |        |       |        |
| 6            |          | 2      |                       |        |                        |        | 56           |        |       |        |       |        |
| 7            |          | 2      |                       |        |                        |        | 57           |        |       |        |       |        |
| 8            |          | 2      |                       |        |                        |        | 58           |        |       |        |       |        |
| 9            |          | 2      |                       |        |                        |        | 59           |        |       |        |       |        |
| 10           |          | 2      |                       |        |                        |        | 60           |        |       |        |       |        |
| 11           |          | 2      |                       |        |                        |        | 61           |        |       |        |       |        |
| 12           |          | 2      |                       |        |                        |        | 62           |        |       |        |       |        |
| 13           |          | 2      |                       |        |                        |        | 63           |        |       |        |       |        |
| 14           |          | 2      |                       |        |                        |        | 64           |        |       |        |       |        |
| 15           |          | 2      |                       |        |                        |        | 65           |        |       |        |       |        |
| 16           |          | 2      |                       |        |                        |        | 66           |        |       |        |       |        |
| 17           |          | 2      |                       |        |                        |        | 67           |        |       |        |       |        |
| 18           |          | 2      |                       |        |                        |        | 68           |        |       |        |       |        |
| 19           |          | 2      |                       |        |                        |        | 69           |        |       |        |       |        |
| 20           |          | 2      |                       |        |                        |        | 70           |        |       |        |       |        |
| 21           |          | 2      |                       |        |                        |        | 71           |        |       |        |       |        |
| 22           |          | 2      |                       |        |                        |        | 72           |        |       |        |       |        |
| 23           |          | 2      |                       |        |                        |        | 73           |        |       |        |       |        |
| 24           |          | 2      |                       |        |                        |        | 74           |        |       |        |       |        |
| 25           |          | 2      |                       |        |                        |        | 75           |        |       |        |       |        |
| 26           |          | 2      |                       |        |                        |        | 76           |        |       |        |       |        |
| 27           |          | 2      |                       |        |                        |        | 77           |        |       |        |       |        |
| 28           |          | 2      |                       |        |                        |        | 78           |        |       |        |       |        |
| 29           |          | 2      |                       |        |                        |        | 79           |        |       |        |       |        |
| 30           |          | 2      |                       |        |                        |        | 80           |        |       |        |       |        |
| 31           |          | 2      |                       |        |                        |        | 81           |        |       |        |       |        |
| 32           |          | 2      |                       |        |                        |        | 82           |        |       |        |       |        |
| 33           |          | 2      |                       |        |                        |        | 83           |        |       |        |       |        |
| 34           | 1        |        |                       |        |                        |        | 84           |        |       |        |       |        |
| 35           |          | 1      |                       |        |                        |        | 85           |        |       |        |       |        |
| 36           |          | 1      |                       |        |                        |        | 86           |        |       |        |       |        |
| 37           |          | 1      |                       |        |                        |        | 87           |        |       |        |       |        |
| 38           |          | 1      |                       |        |                        |        | 88           |        |       |        |       |        |
| 39           |          | 1      |                       |        |                        |        | 89           |        |       |        |       |        |
| 40           | 1        |        |                       |        |                        |        | 90           |        |       |        |       |        |
| 41           |          | 1      |                       |        |                        |        | 91           |        |       |        |       |        |
| 42           |          |        |                       |        |                        |        | 92           |        |       |        |       |        |
| 43           |          |        |                       |        |                        |        | 93           |        |       |        |       |        |
| 44           |          |        |                       |        |                        |        | 94           |        |       |        |       |        |
| 45           |          |        |                       |        |                        |        | 95           |        |       |        |       |        |
| 46           |          |        |                       |        |                        |        | 96           |        |       |        |       |        |
| 47           |          |        |                       |        |                        |        | 97           |        |       |        |       |        |
| 48           |          |        |                       |        |                        |        | 98           |        |       |        |       |        |
| 49           |          |        |                       |        |                        |        | 99           |        |       |        |       |        |
| 50           |          |        |                       |        |                        |        | 100          |        |       |        |       |        |
| Total Indep  | 3        |        | 0                     |        | 0                      |        | Total Indep  |        |       |        |       |        |
| Total Depend | 68       |        | 0                     |        | 0                      |        | Total Depend |        |       |        |       |        |
| Total Claims |          | 71     |                       | 0      |                        | 0      | Total Claims |        |       |        |       |        |

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